

US Patent Application No. 10/712,880  
Reply to Final Office Action of April 7, 2006

Attorney Docket No. 2002-1130 (24061.50)  
Customer No. 42717

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A computer-implemented method for linking a semiconductor product manufacturing facility order with a quotation, the method comprising:

receiving the quotation including at least a first product and its quote amount;  
storing the quote amount associated with the first product in a quotation database;  
storing predetermined information associated with the first product in a product database;  
updating a mapping database record associated with the first product with the  
predetermined information from the quotation database and the product database  
associated with the first product, wherein the mapping database associates  
information of the quotation from the quotation database with information of the  
first product from the product database;  
receiving the product manufacturing facility order that identifies at least the first product  
and desired quantity;  
retrieving a mapping database record associated with the first product from the mapping  
database; and  
calculating an order price based on the mapping database record comprising the quote  
amount associated with the first product, and the desired quantity identified in the  
product manufacturing facility order.

2. (Original) The computer-implemented method of claim 1 wherein the product manufacturing facility is a semiconductor foundry.

3. (Cancelled).

4. (Previously Presented) The computer-implemented method of claim 1, wherein the product manufacturing facility order is created by a customer using a graphical user interface.

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5. (Previously Presented) The computer-implemented method of claim 1, wherein the mapping database is updated automatically when the quotation database is changed.

6. (Previously Presented) The computer-implemented method of claim 1, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger.

7. (Previously Presented) The computer-implemented method of claim 1, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.

8. (Previously Presented) The computer-implemented method of claim 1, wherein the mapping database is updated automatically when the product database is changed.

9. (Previously Presented) The computer-implemented method of claim 1, further comprising:

receiving a quote amount for a second product;

storing the quote amount associated with the second product; and

calculating an order price associated with the second product, wherein the received

product manufacturing facility order identifies at least the first product and the second product and desired respective quantities, by

accessing the stored quote amount associated with the second product, and

determining the order price for the second product based on the stored

quote amount associated with the second product and the desired quantity identified in the product manufacturing facility order.

10. (Original) The computer-implemented method of claim 9, wherein the quote amount associated with the first product and the quote amount associated with the second product are in the same quotation.

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**11. (Previously Presented) A computer-implemented method for linking a semiconductor product manufacturing facility order with a quotation, the method comprising:**

- receiving the quotation including at least two products and their respective quote amounts;**
- storing the two quote amounts of the at least two products in a quotation database;**
- storing predetermined information associated with a first product and a second product of the at least two products in respective product database records in a product database;**
- updating respective mapping database records in a mapping database with the predetermined information from the quotation database records and the respective product database records associated with the first product and the second product, wherein the mapping database associates information of the quotation from the quotation database with information of the at least two products from the product database;**
- receiving the product manufacturing facility order that identifies at least the two products and their respective desired quantities;**
- retrieving the respective mapping database records from the mapping database; and**
- calculating a total order price based on the respective mapping database records comprising the two quote amounts of the at least two products, and their respective desired quantities identified in the product manufacturing facility order.**

**12. (Original) The computer-implemented method of claim 11, wherein the product manufacturing facility is a semiconductor foundry.**

**13. (Cancelled).**

**14. (Previously Presented) The computer-implemented method of claim 11, wherein the product manufacturing facility order is created by a customer using a graphical user interface.**

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15. (Previously Presented) The computer-implemented method of claim 11, wherein the mapping database is updated automatically when the quotation database is changed.

16. (Previously Presented) The computer-implemented method of claim 11, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger.

17. (Previously Presented) The computer-implemented method of claim 11, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.

18. (Previously Presented) The computer-implemented method of claim 11, wherein the mapping database is updated automatically when the product database is changed.

19. (Previously Presented) A computer-readable medium having stored thereon sequences of instruction for responding to a request for linking a semiconductor product manufacturing facility order with a quotation, the sequence of instructions including instructions for performing the steps of:

- receiving the quotation including at least a first product and its quote amount;
- storing the quote amount in a quotation database;
- storing predetermined information associated with the first product in a product database;
- updating a mapping database record associated with the first product with the
  - predetermined information from the quotation database and the product database associated with the first product;
  - receiving the product manufacturing facility order that identifies at least the first product and desired quantity;
- retrieving a mapping database record associated with the first product from the mapping database; and

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calculating an order price based on the mapping database record comprising the quote amount associated with the first product, and the desired quantity identified in the product manufacturing facility order.

20. (Original) The computer-readable medium of claim 19, wherein the product manufacturing facility is a semiconductor foundry.

21. (Cancelled).

22. (Previously Presented) The computer-readable medium of claim 19, wherein the product manufacturing facility order is created by a customer using a graphical user interface.

23. (Previously Presented) The computer-readable medium of claim 19, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a database trigger

24. (Previously Presented) The computer-readable medium of claim 19, wherein the mapping database is updated automatically when a new quotation is entered into the quotation database utilizing a auto-call function.

25. (Previously Presented) The computer-readable medium of claim 19, wherein the mapping database is updated automatically when the product database is changed.

26. (Previously Presented) A system for linking a product manufacturing facility order with a quotation, the system comprising:

a quotation entry device for entering the quotation that includes at least a first product and its quote amount;

a quotation database connected to the order entry device for storing the quotation;

a product database configured to receive product information of the first product; and

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a mapping database that interfaces with both the quotation database and the product database capable of storing quotation information associated with the first product;  
memory connected to the quotation entry device configured to receive a mapping database record associated with the first product from the mapping database;  
an order entry device for entering the product manufacturing facility order that identifies at least the first ordered product and a desired quantity; and  
a price calculator configured to receive the product manufacturing facility order from the order entry device, to access the memory to identify the quote amount associated with the first ordered product from the mapping database record, and to calculate a price for the first ordered product based on the desired quantity and the quote amount.

27. (Original) The system of claim 26, wherein the product manufacturing facility is a semiconductor foundry.

28. (Previously Presented) The system of claim 26, wherein the product manufacturing facility order is created by a customer using a graphical user interface.

29. (Previously Presented) The system of claim 26, wherein the quotation database additionally comprises

an automatic updating mapping database mechanism which updates the mapping database when the quotation database is changed.

30. (Previously Presented) The system of claim 26, wherein the product database additionally comprises

an automatic updating mapping database mechanism which updates the mapping database when the product database is changed.

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31. (Original) The system of claim 26, wherein the quotation entry device and the order entry device comprise a single device.

32. (Original) The system of claim 31, wherein the single device is a personal data assistant.

33. (Original) The system of claim 26, wherein the quotation entry device is connected to the memory via a wireless connection.

34. (Original) The system of claim 26, wherein the order entry device is connected to the price calculator via a wireless connection.